

## Stormwater / MS4

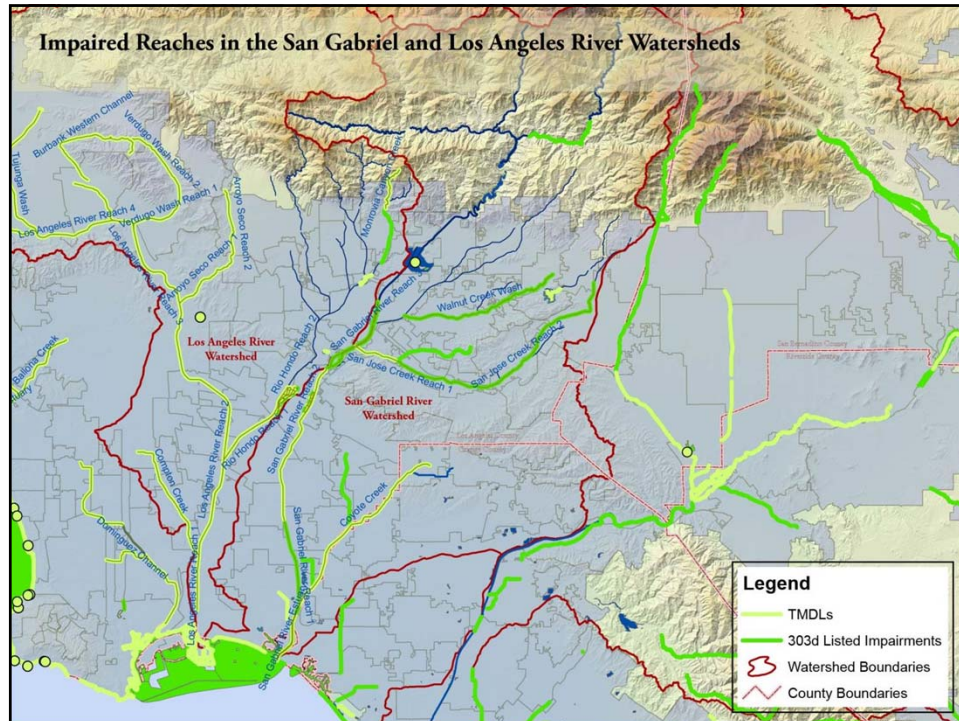
Mary Ann Lutz  
Mayor, City of Monrovia

June 5, 2014

## Background

- **National Pollutant Discharge Elimination Program (NPDES)**
  - Required under the Federal Clean Water Act
  - Subject to State's Porter-Cologne Act
- **Cities regulated under a Municipal Separate Storm Sewer System (MS4) NPDES Permit**
  - New Los Angeles County MS4 NPDES Permit - effective December 28, 2012
- **Total Maximum Daily Loads (TMDLs)**
  - Expired permit 3 TMDLs - New Permit 33 TMDLs
  - Enforceable under new MS4 NPDES Permit





## Flexible Compliance Alternatives

Compliance Option	Early Actions	Enhanced Projects	Interim Compliance	Final Compliance
<b>Baseline</b>	No	No	Numeric	Numeric
<b>Watershed Management Plan (WMP) - 12 month</b>	No	No	Action-based	Numeric
<b>Watershed Management Plan (WMP) – 18 month</b>	LID Ordinance Green Street Policy	No	Action-based	Numeric
<b>Enhanced Watershed Management Plan (EWMP)</b>	LID Ordinance Green Street Policy	Yes	Action-based	<ul style="list-style-type: none"> <li>Action-based for Enhanced Projects</li> <li>Numeric for other projects</li> </ul>

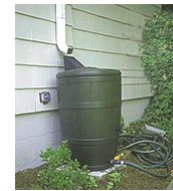


- New planning, building, and post-development Requirements



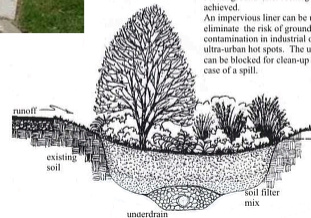
- Low Impact Development Ordinance
- Green Streets Policy

## Low Impact Development



HIGH FILTRATION FACILITY

The use of an underdrain ensures that the facility will drain at the desired rate. Partial groundwater recharge is also achieved. An impervious liner can be used to eliminate the risk of groundwater contamination in industrial or ultra-urban hot spots. The underdrain can be blocked for clean-up in the case of a spill.







## The big question...

- How on earth are we going to pay for this?



## US Conference of Mayors Mayors Water Council

- EPA
  - Negotiated the Integrated Planning Document
  - Negotiating right now the Affordability Document
- Resolutions 2013
  - USCM
  - CA League
- Water Quality Improvement Act
  - Potential Co-Authors
    - Congressman Gibb (R) Ohio
    - Congresswomen Napolitano (D) CA

## Water Quality Improvement Act

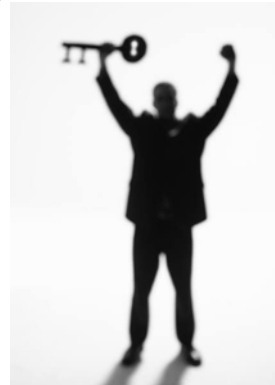
- US Conference of Mayors – Mayors Water Council
  - Resolutions
  - Mayor David Becker, Lima, Ohio
- Draft Legislation
  - Addresses the Clean Water Act (CWA)
  - Builds on EPA's Integrated Planning Framework
  - Addresses Federal-Local Government Partnership, Affordability and Flexibility

## Water Quality Improvement Act (Cont.)

- Key Elements
  - Address Affordability of permits and mandatory infrastructure projects
  - Addresses fines versus investment in solutions
  - Allow for priorities and schedules based on affordability and community's ability to bear the cost
  - Compliance standards based on meeting plans and schedules
  - Ensures flexibility in permits and standards
  - Authorizes \$2 Billion a year for five years for capitalization grants for State Revolving Fund

## Affordability Survey

- Conference of Mayors developed survey to show legislators and EPA the true costs of our water programs to our residences
- California is key
- Survey Monkey



# Affordability Study, Page 1

Affordability Survey for the U.S. Conference of Mayors

## Annual Household Costs

Water/Flood Control/Stormwater & Wastewater

The U.S. Conference of Mayors is conducting a critical affordability survey of the average annual household costs of providing drinking water, sanitary sewers, combined storm and sanitary sewers and flood control systems in our communities. The U.S. Conference of Mayors will be using this information to inform members of Congress on the real costs to our cities of operating and maintaining the nation's critical utility systems. The U.S. Conference of Mayors is currently working with members of Congress on potential legislation, including guidance on the affordability of federal mandates and providing additional funding to communities.

### I. Baseline Information

City \_\_\_\_\_

Average Property Value for Single-Family Residence: \_\_\_\_\_

Population \_\_\_\_\_

Median Household Income \_\_\_\_\_

Please indicate the appropriate water system operator for your community:

\_\_\_\_ Municipal Water Utility

\_\_\_\_ Other \_\_\_\_\_

Water Treatment Plant (gallons per day) \_\_\_\_\_

Number of Residential Services \_\_\_\_\_

\_\_\_\_ Municipal Wastewater

\_\_\_\_ Municipal Stormwater Treatment Plant

\_\_\_\_ Regional Wastewater Treatment

Daily sewer flows (gallons per day) \_\_\_\_\_

# Affordability Study, Page 2

### II. Annual Water Costs

Annual Average Water Bill – Single-Family Residence \_\_\_\_\_

MWD Charges (Standby, etc.) \_\_\_\_\_

Other Charges \_\_\_\_\_

Water Total \_\_\_\_\_

### III. Annual Flood Control Assessment/Stormwater

LACFCD Maintenance/Improvement District \_\_\_\_\_

Stormwater Assessment \_\_\_\_\_

Other Assessment \_\_\_\_\_

Flood Control Total \_\_\_\_\_

### IV. Annual Wastewater Costs

Municipal Sewer Fees \_\_\_\_\_

LA County Sanitation District Charges \_\_\_\_\_

Other Wastewater Fees \_\_\_\_\_

Total Wastewater Costs \_\_\_\_\_

### V. Total Water, Flood Control and Wastewater \_\_\_\_\_

Other Information and Notes

## The Results Matrix

ADJUSTED DOLLARS Total households	Household Income	Signal Hill, CA		2% Of Median Household Income	Current Annual Water and Sewer Bill 796.69 as % of Household Income	Current Annual Water and Sewer Bill Plus 2% of MHI 1,314.82 Plus 796.69
		Estimate	Percent			
		4,106		1,314.82		\$2,111.51
				%	%	As % of Income
Less than \$10,000	10,000	241	5.9	13.15	7.97	21.12
\$10,000 to \$14,999	12,500	228	5.6	10.52	6.37	16.89
\$15,000 to \$24,999	20,000	455	11.1	6.57	3.98	10.56
\$25,000 to \$34,999	30,000	153	3.7	4.38	2.66	7.04
\$35,000 to \$49,999	42,500	415	10.1	3.09	1.87	4.97
\$50,000 to \$74,999	62,500	782	19	2.10	1.27	3.38
\$75,000 to \$99,999	87,500	692	16.9	1.50	0.91	2.41
\$100,000 to \$149,999	125,000	529	12.9	1.05	0.64	1.69
\$150,000 to \$199,999	175,000	363	8.8	0.75	0.46	1.21
\$200,000 or more	200,000	248	6	0.66	0.40	1.06
		Poverty	Population	Age 2010	Water and Sewer Bill	Projected Water and Sewer Bill
MHI	2%MHI	Rate	2012	65+	796.69	
65,741	1,314.82	14.00	11,185	8.30%		

26% of households currently spend more than 2% of their annual income on water services



### What is next?

LA County Initiative??  
- MAYBE

US Conference of  
Mayors  
Legislation  
EPA Affordability  
Document

Each City Affordability  
Survey Completed





Questions?

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